

## **REMARKS**

### **Status of the Application**

Claims 1, 11 and 15 are amended to recite the limitations of claim 26 and claim 26 is canceled. Hence, claims 1-25 and 27 are all the claims pending in the application. Claims 1-3, 11-12, 15-17 and also new claims 25 and 27 are rejected under 35 U.S.C. § 102(e) as allegedly anticipated by Morita (US Patent 6,750,840). Claims 5-6, 13 and 19-20 are rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over Morita. Claims 4, 7-10, 14, 18, and 21-24 are allowable if rewritten in independent form.

### **Claim Amendments**

The features of claim 26 have been added to independent claims 1, 11 and 15, and claim 26 has been cancelled. Applicant therefore respectfully asserts that the claim amendments do not present matter requiring a new search of the art, and therefore respectfully requests the examiner to enter the Amendments.

### **Claim Rejections**

The current Office Action maintains the same grounds of rejection over Morita (U.S. Patent 6,750,840) presented in the previous Office Action, and have extended the same rejection to the newly added claims. Applicant respectfully traverses these rejections.

Claim 1 recites "supplying said write-in voltages ... for a period corresponding to a distance from the selected row line to said end points; wherein said period corresponding to a

distance increases as a function of the distance from the selected row line to said end points.”

The grounds of rejection assert that this feature is taught in column 12, lines 51-59 of Morita.

This portion of Morita teaches that “based on the distance between the selected pixel and the data-line drive circuit, a boosted, high voltage is supplied to the data line X in a given period within the selection period.” That is, Morita teaches boosting the *voltage* based on the distance between the selected pixel and the data-line drive circuit. This is shown in corresponding figures 10 and 11, where voltage V1 is applied to pixel 1, voltage  $V2 > V1$  is applied to pixel 200 (pixel 200 being at a greater distance than pixel 1), and voltage  $V3 > V2 > V1$  is applied to pixel 400.

Morita discloses varying the period in which these voltages are applied; however Morita does not teach that the period “increases as a function of the distance from the selected row line to said end points,” as recited in claim 1. Rather, Morita discloses decreasing the period that the voltage is applied in order to change the time required for the voltage in the pixel to reach a stable value.

As disclosed in column 12, lines 18-25,

In FIG. 11B, the data signal voltage Vd is boosted in a period from t.1 to tb3. The period from t1 to tb3 is set shorter than the corresponding period from t1 to tb1 in FIG. 10B. Accordingly, the voltage reaches the predetermined voltage V1 at time tb4. In FIG. 11C, likewise, a period from t1 to tc3 is set shorter than the corresponding period from t1 to tc1 in FIG. 10C. Accordingly, the voltage reaches the predetermined voltage V1 at time tc4.

Thus, the time required for the voltage to reach the predetermined value is changed by changing the period in which the data signal voltage is boosted (compare figures 10B and 10C to figures

11B and 11C, respectively. Note that the overshoot apparent in 10B and 10C is avoided in 11B and 11C). However, Morita does not teach or suggest that the period increases as a function of the distance from the selected row line to said end points.

Applicant therefore respectfully submits that claim 1 is not anticipated by Morita at least due to this difference, as well as additional recited features. Because independent claims 11 and 15 also recite this feature, they are not anticipated by Morita for the same reason. The remaining claims are not anticipated by Morita at least due to their dependencies, as well as additional recited features.

### **Conclusion**

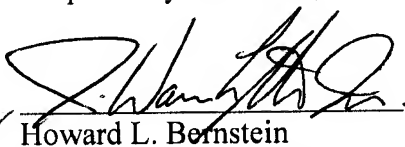
In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

Amendment Under 37 C.F.R. § 1.116  
U.S. Application No.: 10/829,177

Attorney Docket No. Q81128

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880 via EFS payment screen. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,

*for*  Reg. # 39,283  
Howard L. Bernstein  
Registration No. 25,665

SUGHRUE MION, PLLC  
Telephone: (202) 293-7060  
Facsimile: (202) 293-7860

WASHINGTON OFFICE

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